

# Break Glass

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# □ Getting started

## What is Soffid Break glass?

It refers to a mechanism that allows users to gain emergency access to critical systems or information under exceptional circumstances when normal access procedures are not viable.

Break glass is a crucial component of security and emergency planning, providing a balance between stringent access controls and the need for urgent access during critical situations.

# Step 1.- How to install Soffid Break glass?

# Step 1.1.- How to install Soffid Break glass add-on?

## Installation

### Download

Please download the Soffid Break glass add-on.

You could download it at the following link <http://www.soffid.com/download/enterprise/> if you have a Soffid user with authorization, or in the following <http://download.soffid.com/download/> by registering.

### Upload

1. Once the Break glass add-on is downloaded, please log in to IAM Console.

You need to be an administrator user of the Soffid console or a user with permission to upload addons.

It is recommended to upload the addons to the master, this is the way to maintain updated all, master and tenants if there are.

2. In the Soffid console, please go to:

Main Menu > Administration > Configure Soffid > Global Settings > Plugins

3. Then, click the add button (+) and pick the file and Soffid will upload the addon file.

**4.** Finally, when the addon is installed, it will be required to **restart the Soffid Console and the Sync server**.

**5.** Once the Soffid console is restarted, you could check the plugin was uploaded properly on the plugins page:

Main Menu > Administration > Configure Soffid > Global Settings > Plugins

**6.** Now, you can set up the Break glass.

Step 1.- How to install Soffid Break glass?

# Step 1.2.- How to install Soffid Break glass tool?

## Intallation

### Execute the Store YAML

```
version: '2'

services:
  breakglass:
    image: eu.gcr.io/soffid-cloud/breakglass:1.0.3
    environment:
      JAVA_KEYSTORE: /opt/soffid/tomee/certificados/breakglass.jks
      KEYSTORE_PASS: <YOUR_KEYSTORE_PASS>
      mail_from: pat.lab@sysadm.soffid.com
      mail_host: <YOUR_MAIL_HOST>
      mail_password: <YOUT_MAIL_PASS>
      mail_port: 465
      mail_transport_protocol: smtps
      mail_user: pat
      mail_auth: true
    ports:
      - "8445:8080"
    networks:
      - network
  volumes:
    - breakglass-certificados:/opt/soffid/tomee/certificados
    - breakglass-data:/opt/soffid/tomee/breakglass

networks:
```

```
network:
  name: netcompose
  driver: bridge

volumes:
  breakglass-certificados:
    name: breakglass-certificados-laboratorio
  breakglass-data:
    name: breakglass-data-laboratorio
```

## Ubuntu commands



1. Bear in mind, that the name of the YAML file must be **docker-compose.yaml** And you must execute the docker compose action inside the folder where this file is located.

```
cd ../../../../soffid
```

2. Apply the YAML:

```
sudo docker compose up -d
```

```
pgarcia@soffid:~/_Patricia/Docker Compose/laboratorio-breakglass$ docker compose up -d
WARN[0000] /home/pgarcia/_Patricia/Docker Compose/laboratorio-breakglass/docker-compos
e.yaml: `version` is obsolete
WARN[0000] a network with name netcompose exists but was not created for project "labo
ratorio-breakglass".
Set `external: true` to use an existing network
[+] Running 3/3
 ✓ Volume "breakglass-certificados-laboratorio"    Created      0.0s
 ✓ Volume "breakglass-data-laboratorio"            Created      0.0s
 ✓ Container laboratorio-breakglass-breakglass-1    Started       0.4s
pgarcia@soffid:~/_Patricia/Docker Compose/laboratorio-breakglass$
```

3. Check containers

```
sudo docker compose ps
```

4. View the breakglass log

```
sudo docker compose logs -f <BREAKGLASS_CONTAINER>
```

# Upgrade

You can update the version in the yaml file and execute the command:

```
sudo docker compose up -d
```



# Step 2.- How to configure Break glass?

## Configuration

Once you have installed the Break glass addon and Break glass tool, you must configure this tool

## Steps


### Break-glass recovery configuration


1. First of all, you need to configure the Break glass recovery. To do this, you need to browse to Break-glass recovery configuration menu option:


Main Menu > Administration > Configuration > Security settings > Break-glass recovery configuration

2. Then, you need to configure the Authorized users and Authorized application:

### Authorized users

User :   Patricia García

User :   Soffid Administrator

User :   Elizabeth Taylor

Number of users required to break the glass :

### Authorized application

Enabled :

☒ Yes ☐ No

Token :



### Audit information

Created by :  Patricia García

Created on :

Modified by :  Patricia García

Modified last on :

[← Undo](#)[✓ Apply changes](#)

Bear in mind to generate and copy your token because you will need it to configure the Break glass tool

**3.** Click the Apply changes button to save your data.

For more information about this screen, you can visit [the Break-glass recovery configuration page](#).

## Break-glass recovery tool

**4.** Once you have configured your Break-glass recovery configuration, you need to browse to <http://localhost:8445/>

← → ↻ localhost:8445 ☆ fi fh | Incógnito ⋮

# soffid

Break glass tool

Your break-glass tool is empty. Enter the following parameters to configure it:

|  |                                 |
|--|---------------------------------|
| Sync server URL:                           | <input type="text"/>            |
| Authorization token:                       | <input type="text"/>            |
| Hours between downloads:                   | <input type="text" value="24"/> |
| Email to notify errors:                    | <input type="text"/>            |
| Email to notify when the glass is broken:  | <input type="text"/>            |
| Minutes to wait after the glass is broken: | <input type="text" value="10"/> |

[Configure](#)

5. Here you need to configure your Break glass tool with the proper data.

Please note that here you need your token, previously copied.

Here is an example:

← → ↻ ⓘ localhost:8445 ☆ .fi .fi | Incógnito

# soffid

Break glass tool

Your break-glass tool is empty. Enter the following parameters to configure it:

|  |   |
|--|---|
| Sync server URL:                           | <input type="text" value="https://sync-server.netcompose:1760/"/> |
| Authorization token:                       | <input type="text" value="QRJ"/>                                  |
| Hours between downloads:                   | <input type="text" value="24"/>                                   |
| Email to notify errors:                    | <input type="text" value="pgarcia@soffid.com"/>                   |
| Email to notify when the glass is broken:  | <input type="text" value="pgarcia@soffid.com"/>                   |
| Minutes to wait after the glass is broken: | <input type="text" value="10"/>                                   |

[Configure](#)

6. Click the configure button

6.1. If the data are saved properly this message is displayed:

# soffid

Break glass tool

Your break-glass tool is empty. Enter the following parameters to configure it:

|  |   |
|--|---|
| Sync server URL:                           | <input type="text" value="https://sync-server.netcompose:1760/"/> |
| Authorization token:                       | <input type="text" value="QRJ"/>                                  |
| Hours between downloads:                   | <input type="text" value="24"/>                                   |
| Email to notify errors:                    | <input type="text" value="pgarcia@soffid.com"/>                   |
| Email to notify when the glass is broken:  | <input type="text" value="pgarcia@soffid.com"/>                   |
| Minutes to wait after the glass is broken: | <input type="text" value="10"/>                                   |

[Configure](#)

Cannot modify settings

6.2 If the tool can not connect to your Sync Server a message like this will be displayed:

This can be because:

- You need to apply changes at the Break-glass recovery configuration.
- The Authorized application is not enable.
- The token is incorrect.
- The Sync server is down.

# soffid

Break glass tool

Your break-glass tool is empty. Enter the following parameters to configure it:

|  |  |
|--|--|
| Sync server URL:                           | <input type="text" value="https://sync-server.netcompose:1760/"/>        |
| Authorization token:                       | <input type="text" value="QRJIHKReec63G7h7NV-rhVKUQoB9BMUS6MpPST3qdnK"/> |
| Hours between downloads:                   | <input type="text" value="24"/>  |
| Email to notify errors:                    | <input type="text" value="pgarcia@soffid.com"/>                          |
| Email to notify when the glass is broken:  | <input type="text" value="pgarcia@soffid.com"/>                          |
| Minutes to wait after the glass is broken: | <input type="text" value="10"/>  |

Configure

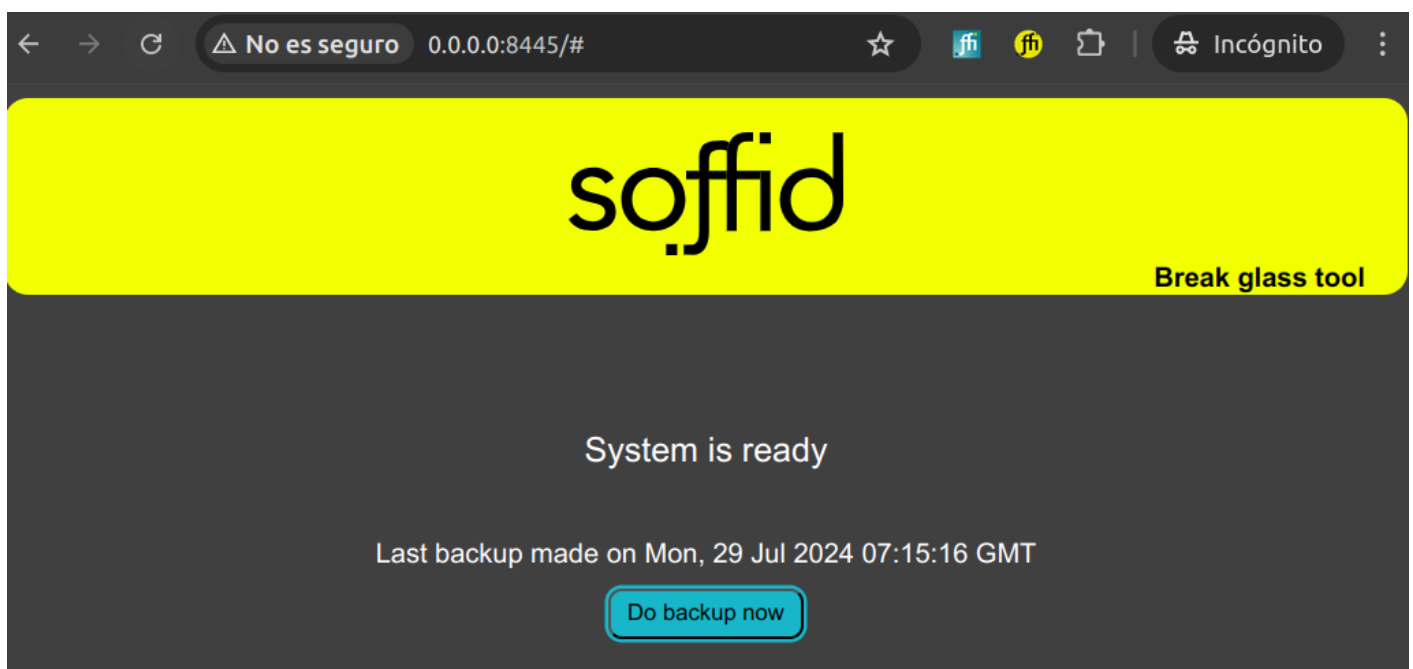
Cannot connect to https://sync-server.netcompose:1760/

Now the Soffid Breack glass is configured

# Step 3.- How to use Soffid Break glass recovery tool?

If your system is working fine

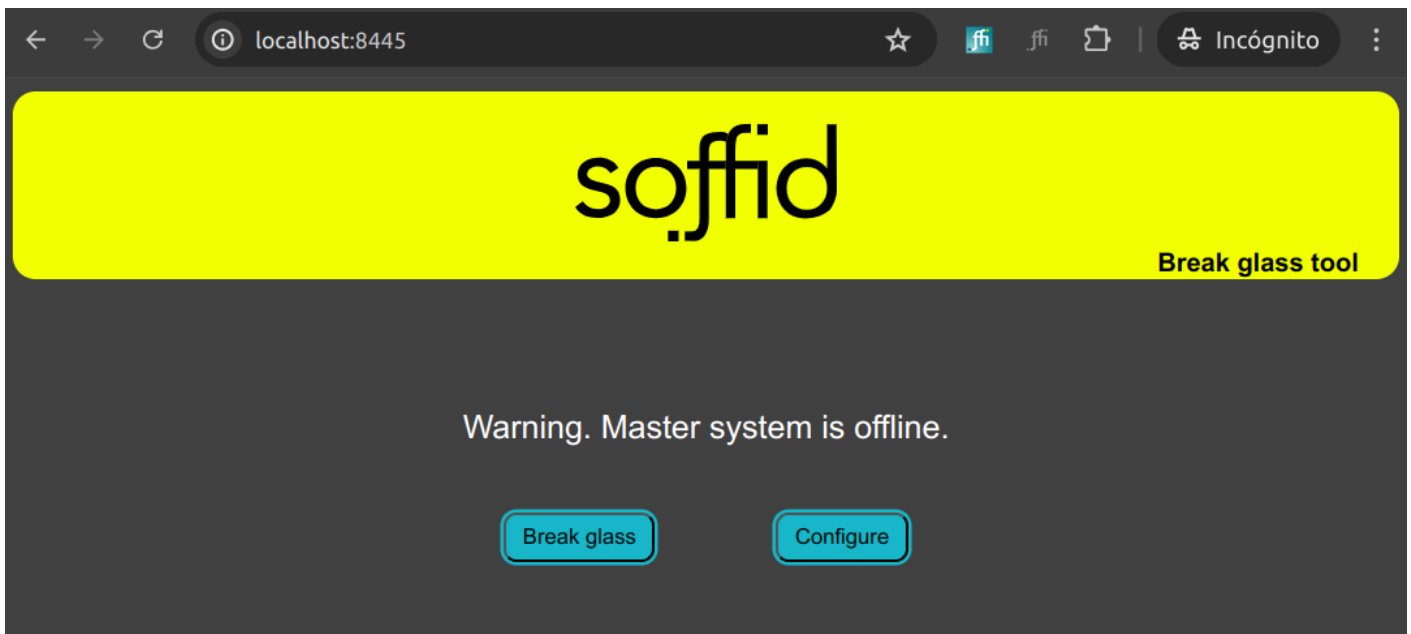
A window like this will be displayed:



If your system is broken

You could use Soffid break glass tool:

1. First of all, browse to your Soffid break glass tool URL



2. Soffid break glass tool offer you two options

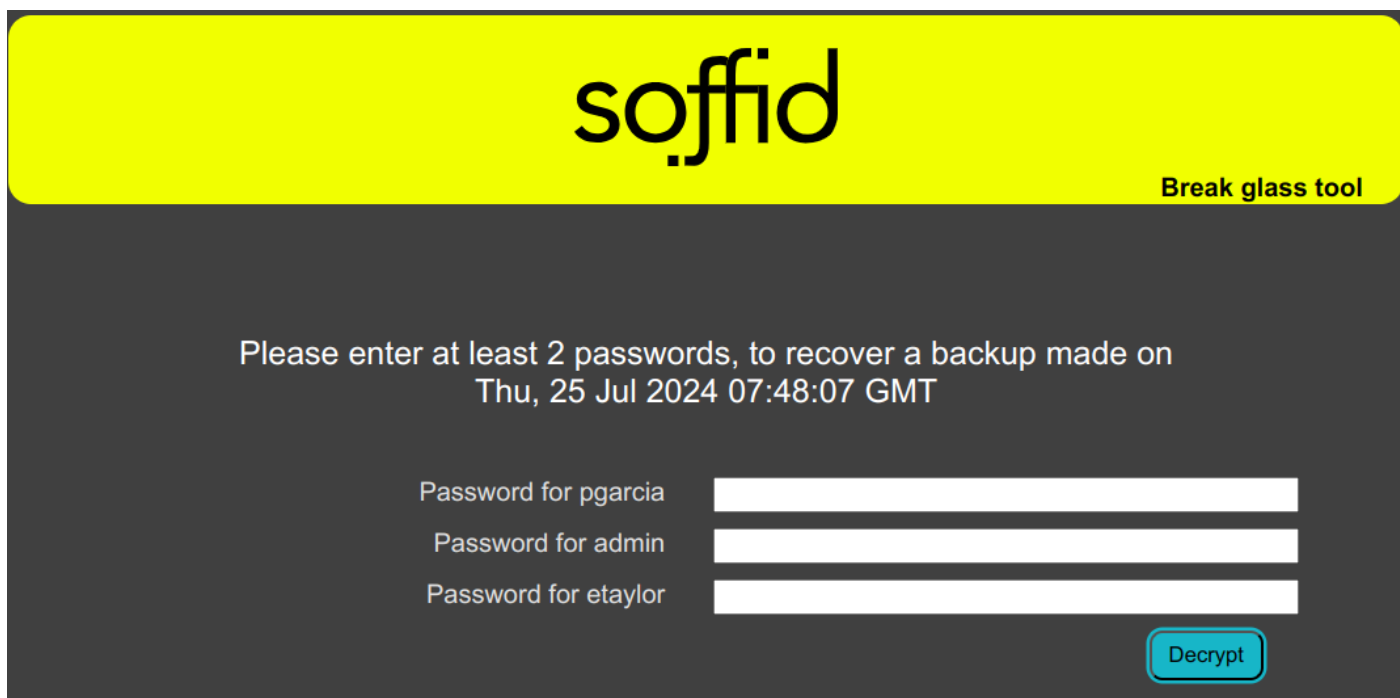
- Break glass
- Configure

3. If you select the **Break glass** option:

3.1. Soffid will display a window with all the available backups:



3.2. You can choose one of them by clicking on the link. Then Soffid will display a new window to retrieve the backup copy:



**3.3.** Here you will need to enter the required passwords.

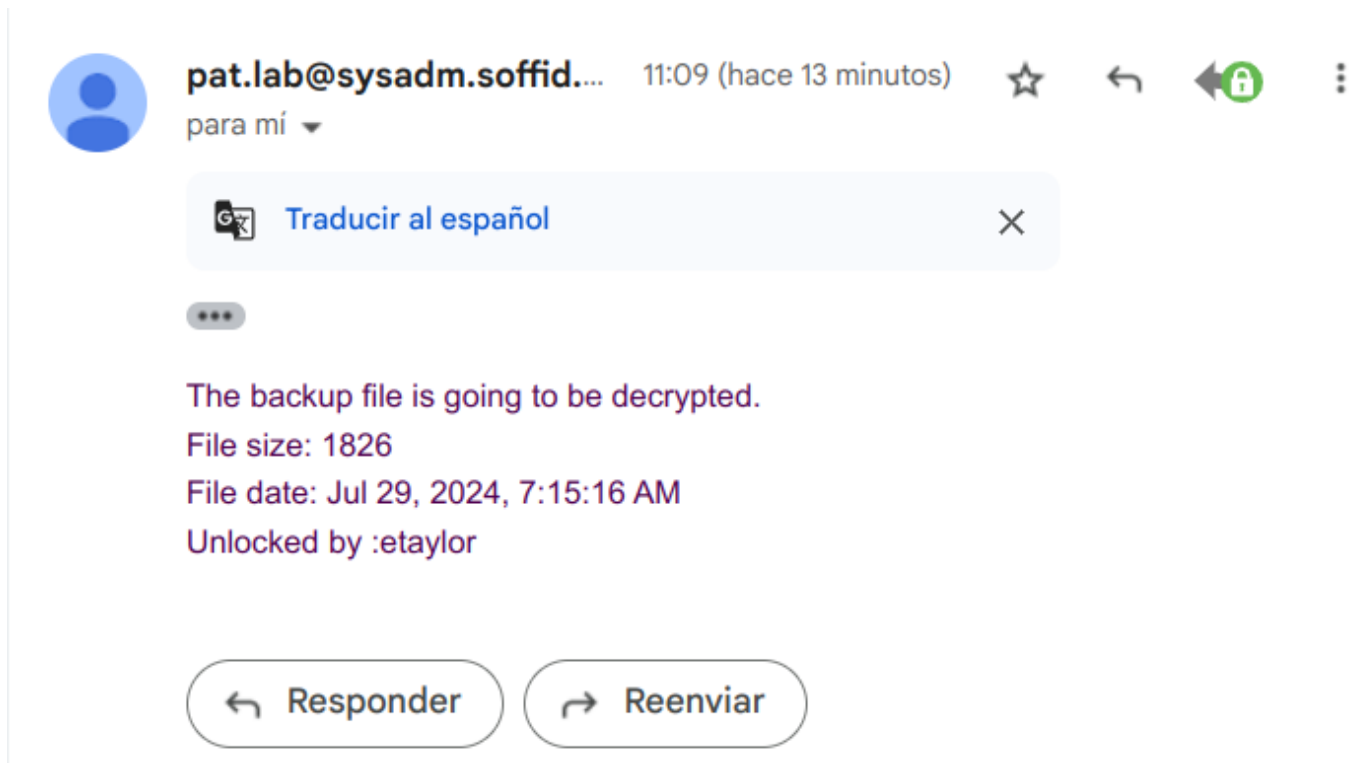
**3.3.1.** If there are any error with the passwords, Soffid Break glass tool will display an error message



**3.3.2.** If you enter the passwords properly:

**3.3.2.1.** An email will be sent to the user indicated at the Break glass tool configuration

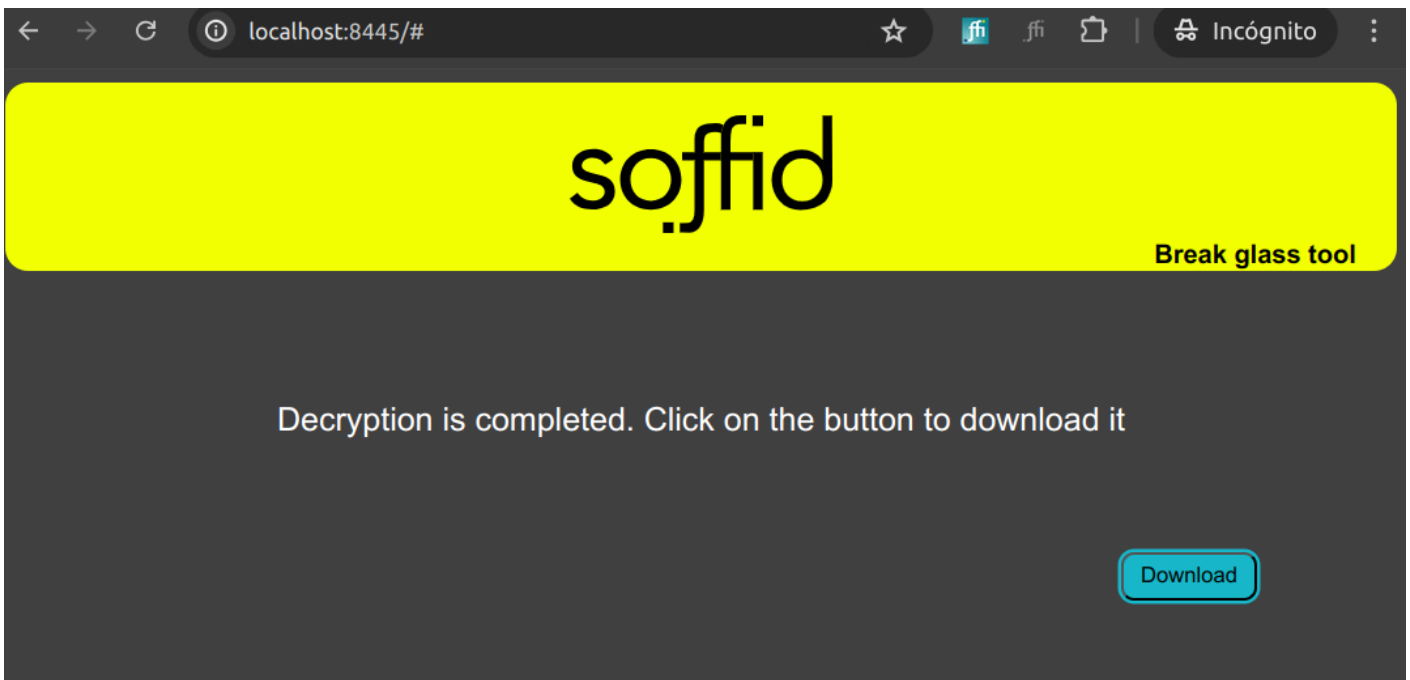




**3.3.2.2.** Soffid break glass tool will display a new window with the with the remaining time to download the backup



**3.3.2.3.** When the waiting time has elapsed, you will be able to download the backup. This backup will be a CSV file.



The file can be downloaded during the following 4 hours.

The tool will have to be reconfigured.

4. If you select the **Configure** option, Break glass tool will display the window that allows you to configure the Break glass recovery tool again.

A screenshot of the 'soffid Break glass tool' configuration page. The header is yellow with the 'soffid' logo and 'Break glass tool' text. The main content area is dark gray and contains the text 'Your break-glass tool is empty. Enter the following parameters to configure it:'. Below this text are several input fields for configuration: 'Sync server URL:', 'Authorization token:', 'Hours between downloads:' (with a value of 24), 'Email to notify errors:', 'Email to notify when the glass is broken:', and 'Minutes to wait after the glass is broken:' (with a value of 10). A blue 'Configure' button is located in the bottom right corner.

For more information about how to fill this form visit [the Step 2.- How to configure Break glass? page](#)